

Program Assessment Plan for Biomathematics

Program Mission To provide the students with the competency to employ quantitative reasoning to make informed judgments in a real-life situation and to utilize logical and critical thinking to make contributions to the society by advancing the knowledge of biology in light of mathematical reasoning.

Curriculum The curriculum provides more than one opportunity for students to meet the Program Learning Objectives

Key Courses And Assignments "Final Projects/Presentations" in MATH 463 Topics in Biomathematics

Program Learning Outcomes to be Assessed

PLO	1).Demonstrate college-level knowledge in foundational mathematics	ILOs to which the PLOs map	1,3
Year:	Year 3 AY 2016-17		
Is the evidence Direct or Indirect	To be determined.		
Where in the program does the evidence reside?	To be determined.		
What tools are necessary to collect evidence? (Rubrics, Portfolio,Embedded Exam Questions etc.)	To be determined.		
Benchmarks	To be determined.		
ListOfSources	To be determined.		

Program Learning Outcomes to be Assessed

PLO	2).Demonstrate college-level knowledge in applied mathematics	ILOs to which the PLOs map	1,3
Year:	Year 3 AY 2016-17		
Is the evidence Direct or Indirect	To be determined.		
Where in the program does the evidence reside?	To be determined.		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	To be determined.		
Benchmarks	To be determined.		
ListOfSources	To be determined.		

Program Learning Outcomes to be Assessed

PLO	3).Construct models to solve real-world problems	ILOs to which the PLOs map	1
Year:	Year 2 AY 2015-16		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	"Final Projects/Presentations" in MATH 463 Topics in Biomathematics		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade the "Final Projects/Presentations" in MATH 463 Topics in Biomathematics.		

Program Learning Outcomes to be Assessed

PLO	4).Use computing tools in modeling or problem solving	ILOs to which the PLOs map	1
Year:	Year 1 Spring 2015		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	"Final Projects/Presentations" in MATH 463 Topics in Biomathematics		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade the "Final Projects/Presentations" in MATH 463 Topics in Biomathematics.		

Program Learning Outcomes to be Assessed

PLO	5).Demonstrate competence in analytical and critical reasoning	ILOs to which the PLOs map	1
Year:	Year 2 AY 2015-16		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	"Final Projects/Presentations" in MATH 463 Topics in Biomathematics		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade the "Final Projects/Presentations" in MATH 463 Topics in Biomathematics.		

Program Learning Outcomes to be Assessed

PLO	6).Read, write, and communicate mathematics effectively	ILOs to which the PLOs map	1,3
Year:	Year 1 Spring 2015		
Is the evidence Direct or Indirect	direct evidence		
Where in the program does the evidence reside?	"Final Projects/Presentations" in MATH 463 Topics in Biomathematics		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	rubric		
Benchmarks	no		
ListOfSources	Use a rubric to grade the "Final Projects/Presentations" in MATH 463 Topics in Biomathematics.		

Program Learning Outcomes to be Assessed

PLO	7).Demonstrate college-level knowledge in fields related to biomathematics	ILOs to which the PLOs map	1,3
Year:	Year 3 AY 2016-17		
Is the evidence Direct or Indirect	To be determined.		
Where in the program does the evidence reside?	To be determined.		
What tools are necessary to collect evidence? (Rubics, Portfolio,Embedded Exam Questions etc.)	To be determined.		
Benchmarks	To be determined.		
ListOfSources	To be determined.		